WHAT IS CLAIMED IS:

1. A package comprising:

a core having a length; and

strip material having a width less than the length of the core wound in a traverse pattern over substantially the length of the core under compression, wherein the strip material is under uniform pressure throughout the entire package.

- 2. The package of claim 1, wherein the strip material is made of nonwoven material.
- 3. The package of claim 1, wherein the strip is made of one of fibrous material, air laid material, filtration media, foam, film, mechanical fastening tapes and composites.
- 4. The package of claim 1, wherein the strip is continuous and includes a plurality of longitudinal strips connected at their ends to form a continuous strip.
 - 5. A package comprising:

a core having a length; and

strip material wound on the core under compression in a pattern of a plurality of stacked rolls with stepped interconnected strip portions between each roll on the core, wherein the strip material is under uniform pressure throughout the entire package.

- 6. The package of claim 5, wherein the strip material is made of nonwoven material.
- 7. The package of claim 5, wherein the strip is made of one of fibrous material, air laid material, filtration media, foam, and composites.
- 8. The package of claim 5, wherein the strip is continuous and includes a plurality of longitudinal strips connected at their ends to form a continuous strip.
 - 9. A package comprising:

a core having a length; and

strip material wound on the core substantially across its length, wherein the strip material has a thickness, is nonwoven, has substantially no tension, and is compressed to substantially reduce the thickness, wherein the pressure on each layer of the strip is substantially uniform throughout the entire package.

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- 10. The package of claim 9, wherein the strip is made of one of fibrous material, air laid material, filtration media, foam, films, mechanical fastening tapes and composites.
- 11. The package of claim 9, wherein the strip is continuous and includes a plurality of longitudinal strips connected at their ends to form a continuous strip.
- 12. A method of forming a package wherein strip material is formed into a roll supported by a core, comprising:

feeding an uncompressed strip of material to the core; and

winding the strip onto the core with a driven belt that substantially surrounds the core to wrap the strip around the core with the strip under compression.

- 13. The method of claim 12, wherein winding includes winding the strip in a traverse pattern across a length of the core.
- 14. The method of claim 13, wherein winding includes moving one of the strip and the core to effect the traverse winding.
- 15. The method of claim 12, wherein winding includes winding the strip in pattern of spiral wound stacks interconnected by stepped portions of the strip.
- 16. The method of claim 15, wherein winding includes controlling the winding to form the spiral wound stacks in repeating layers across the length of the core.
- 17. The method of claim 12, further comprising separating the strip from a larger sheet of material prior to feeding the strip to the core.
- 18. The method of claim 17, wherein separating the strip includes slitting the strip into plural strips.
- 19. The method of claim 17, wherein separating the strips includes separating a plurality of strips from the large sheet of material and simultaneously winding the plurality of strips on the core.
- 20. The method of claim 17, wherein separating the strips includes separating a plurality of strips from the large sheet of material and simultaneously winding the plurality of strips on individual cores.
- 21. The method of claim 12, wherein feeding includes feeding a plurality of strips to the core and winding the plurality of strips onto the core simultaneously.

- 22. The method of claim 12, wherein feeding includes feeding a plurality of strips to a plurality of cores and winding the plurality of strips onto each core simultaneously.
- 23. The method of claim 12, further comprising using a belt that is at least as wide as the strip to cover, wind and compress the strip onto the core.
- 24. The method of claim 23, wherein the belt has a width substantially equal to the resulting wound roll.
- 25. The method of claim 23, wherein the belt has a width substantially equal to the strip.
- 26. The method of claim 12, further comprising connecting plural strips at their ends to form a continuous strip that is wound onto the core.
 - 27. A method of forming a package, comprising:

feeding a sheet of material to a packaging apparatus having at least one core and at least one driven belt that substantially surrounds the core;

separating the sheet into a plurality of strips;

driving the belt under tension; and

winding each strip onto a core with the belt thereby compressing the strip and forming a package under uniform pressure throughout.

- 28. The method of claim 27, wherein feeding the sheet includes feeding an uncompressed sheet.
- 29. The method of claim 27, wherein feeding the sheet includes precompressing the sheet.
- 30. The method of claim 27, further comprising controlling the belt to form a tightly compressed package without damage to the material in the strips.
- 31. The method of claim 27, wherein winding the strip includes winding a plurality of strips onto one core.
- 32. The method of claim 27, wherein winding the strip includes winding one strip onto one core.
- 33. The method of claim 32, wherein winding the strip includes traverse winding the strip across the length of the core.

- 34. The method of claim 32, wherein winding the strip includes spiral winding the strip on the core.
- 35. The method of claim 32, wherein winding the strip includes winding the strip in a plurality of spiral wound stacks interconnected by stepped portions of the strip.
- 36. The method of claim 27, wherein winding the strip includes winding a plurality of strips onto a plurality of cores simultaneously.
- 37. The method of claim 27, further comprising connecting plural strips at their ends to form a continuous strip that is wound onto the core.
- 38. An apparatus for forming a package of strip material wound on a core under compression, comprising:

a winding device having a frame, a longitudinal core support mounted to the frame, and a driven belt supported by the frame to substantially surround the core; and

strip material feeding apparatus disposed adjacent to the winding device and including a traverse feeder that moves the strip material longitudinally with respect to the core,

wherein the driven belt is controlled to wind the strip material onto the core under compression.

- 39. The apparatus of claim 38, further comprising a material separator that separates the strip material from a sheet of material.
- 40. The apparatus of claim 38, further comprising a controller coupled to the driven belt to adjust the driven speed of the belt and the tension in the belt to control compression of the strip material.
- 41. The apparatus of claim 38, wherein the strip material feeding apparatus includes a material supply and supply driver that drives the material supply and controls tension in the strip material.
- 42. The apparatus of claim 38, further comprising a plurality of longitudinal core supports and a plurality of driven belts, and the strip material feeding apparatus includes a traverse feeder associated with each longitudinal core support.
- 43. The apparatus of claim 38, further comprising a series of rolls supported by the frame to support the driven belt, wherein at least one of the rolls is supported on a movable arm that is selectively movable to release the formed package from the belt.

44. An apparatus for forming a package of strip material wound on a core under compression, comprising:

a winding device comprising a frame, a longitudinal core supported by the frame, and a driven belt supported by the frame to substantially surround the core; and

strip material feeding apparatus including a material separator that separates strips from a sheet of material, wherein the separated strip is wound onto the core by the driven belt.

- 45. The apparatus of claim 44, further comprising a traverse feeder that moves the strip material longitudinally with respect to the core.
- 46. The apparatus of claim 44, further comprising a controller coupled to the driven belt to adjust the driven speed of the belt and the tension in belt to control compression of the strip material.
- 47. The apparatus of claim 44, wherein the strip material feeding apparatus includes a material supply and supply driver that drives the material supply and controls tension in the strip material.
- 48. The apparatus of claim 44, further comprising a plurality of longitudinal core supports and a plurality of driven belts, and the strip material feeding apparatus feeds each separated strip to each longitudinal core support.
- 49. An apparatus for forming a package of strip material wound on a core under compression, comprising a frame, a longitudinal core supported by the frame, a driven belt supported by the frame to substantially surround the core, and a controller coupled to the driven belt that adjusts tension of the belt based on parameters of the strip material so that fibers in the compressed strip material do not break.
- 50. An apparatus for forming a package of open cell foam strip material wound on a core under compression, comprising a frame, a longitudinal core supported by the frame, a driven belt supported by the frame to substantially surround the core, a belt support assembly that adjusts the tension in the belt based on diameter growth of the package, and combined with a package of compressed foam strip material wound on the core having a constant pressure on each layer of strip material.
- 51. The apparatus of claim 50, further comprising a precompression system including a driven supply belt and a vacuum source that define a feed path for the strip material.

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- 52. The apparatus of claim 50, wherein the strip material is traverse wound on the core.
- 53. The apparatus of claim 50, wherein the strip material is wound in a plurality of pancake rolls on the core.
- 54. The apparatus of claim 50, further comprising an antistatic guard mounted on the frame to dissipate static charge from the belt.